4-Port 500Mbps Powerline AV Adapter

TPL-405E (v1.0R)

TRENDnet's 4-Port 500Mbps Powerline AV Adapter, model TPL-405E, uses any electrical outlet to create a secure high speed network.

Connect one 500Mbps adapter to your network (such as TRENDnet's TPL-401E) and plug in the TPL-405E at your media center to stream HD video through the four Gigabit ports to gaming consoles, networked televisions, DVRs, and computers.

This adapter will automatically connect to other TRENDnet Powerline AV adapters with no installation required—TRENDnet recommends pressing the 'Sync' button to automatically change default encryption keys. Power Save mode reduces electrical consumption by up to 80%. Quality of Service technology prioritizes video, audio, and online gaming. LED displays convey device and port status for easy troubleshooting. Advanced AES encryption secures your network. This adapter is ideal for use in buildings that interfere with wireless networking signals.

FEATURES

- Compliant with IEEE1901 and HomePlug AV standards
- High speed networking over an existing electrical system
- 4 x 10/100/1000Mbps Auto-MDIX Gigabit ports
- One-touch Sync button networks adapters quickly
- Three LED indicators: Power (on/off), Powerline Link (green (best), amber (better), red (good), off(no connection)), Ethernet Link (solid, blinking, off)
- Connect one 500Mbps** Powerline AV Adapter to the Internet and then plug in up to 15* additional 500Mbps** Powerline AV adapters for instant connectivity
- Share data intensive files, play games, download music and more at faster data transfer rates
- Advanced 128-bit AES encryption to ensure total network security
- Power Save mode reduces electrical consumption by 80%
- Neighbor network support for up to 4 overlapping networks
- Network signal transmits up to 300 meters (984ft.)
- Auto QoS support through traffic classification and multiple priority queuing
- Optional management utility compatible with Windows 7 (32/64-bit), Vista (32/64-bit), and XP (32/64-bit) operating systems
- 3-year limited warranty

* Maximum of 16 adapters (nodes) recommended for streaming video across your network. Additional adapters may decrease performance

** 500Mbps is the maximum theoretical Powerline data rate. Actual throughput will vary depending on environment

*** Networked Powerline devices need to be plugged into power outlets that are on the same electrical system

**** GFCI outlets and AFCI circuit breakers may degrade Powerline network signals

4-Port 500Mbps Powerline AV Adapter

TPL-405E (v1.0R)

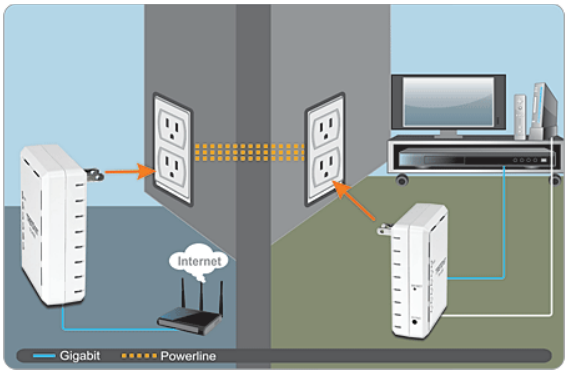
SPECIFICATIONS

HARDWARE	
Standards	• IEEE 1901, HomePlug® AV, IEEE 802.3, IEEE 802.3x, IEEE 802.3u, IEEE 802.3ab
Interface	• 4 x 10/100/1000Mbps Auto-MDIX RJ-45 ports • Power prong •A: North America Type B (NEMA 5–15) •EU: Euro Type C (CEE 7/16) •UK : United Kingdom Type G (BS 1363)
Frequency Band	• 2 ~ 50 MHz
Modulation	• OFDM Symbol Modulation on link synchronization, 1024/256/64/8 - QAM, QPSK, BPSK, ROBO Carrier
Protocol	• TDMA, and CSMA/CA
Speed	• Powerline: up to 500Mbps** • Ethernet: up to 2 Gbps with Full Duplex mode per port
Utility OS Compatibility	• Windows 7 (32/64-bit), Vista (32/64-bit), XP(32/64-bit)
Nodes	• Up to 64 max. • Recommended: up to 16* per Powerline network
Overlapping Powerline Networks	• Up to 4 (per electrical system)
Coverage	• Up to 300m (984ft.)
Security	• 128-Bit AES (Advanced Encryption Standard)
LED	• Power (PWR) • Powerline (PL) with Connection Quality Indication •Best (Green) •Better (Amber) •Good (Red) •No connection (Off) • Gigabit Ethernet Connection (1-4) •Solid •Blinking •Off
Buttons	• Sync, Reset
Dimension (L x W X H)	• A: 105 x 75 x 57 mm (4.1 x 3.0 x 2.2 in.) • EU: 105 x 75 x 73 mm (4.1 x 3.0 x 2.87 in.) • UK: 105 x 75 x 65 mm (4.1 x 3.0 x 2.56 in.)
Weight	• A: 147 g (5.2 oz) • EU: 170 g (6.0 oz) • UK: 159 g (5.6 oz)
Power Source	• 100~240V AC, 50~60Hz
Consumption	• Active mode: 6.4 Watts (max.) • Standby mode: 0.97 Watts (max.)
Temperature	• Operating: 0° ~ 40°C (32° ~ 104°F) • Storage: -20° ~ 70°C (-4° ~ 158°F)
Humidity	• Max. 90% (non-condensing)
Certifications	• CE, FCC, HomePlug® AV

4-Port 500Mbps Powerline AV Adapter

TPL-405E (v1.0R)

NETWORKING SOLUTIONS



PACKAGE CONTENTS

- TPL-405E
- Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Network cable (1.5 m / 5 ft.)

RELATED PRODUCTS

TEW-692GR	450Mbps Concurrent Dual Band Wireless N Router
TPL-401E2K	500Mbps Powerline AV Adapter Kit
TPL-402E2K	500Mbps Powerline AV Adapter Kit with Bonus Outlet

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